

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Applicant: LIVINGSTONE, James I.

Serial No.: 10/644,748 Art Unit: 3672

Filed: August 21, 2003 Examiner: STEPHENSON, Daniel P.

Title: REVERSE CIRCULATION DIRECTIONAL AND HORIZONTAL
DRILLING USING CONCENTRIC DRILL STRING

Attorney Ref: 52502-16

Honourable Commissioner of Patents
and Trademarks,
Randolph Building, 401 Dulany Street,
Alexandria, VA 22314
U.S.A.

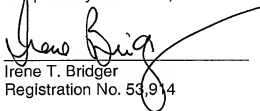
Attention: Mail Stop Issue Fee

Dear Sir:

SUBMISSION OF ISSUE FEE

Applicant submits herewith for payment of the issue fee for the above-noted application, Part B of the Issue Fee Transmittal Form. The applicant is no longer claiming Small Entity status. Please charge the issue and publication fee of \$1,700.00 (ONE THOUSAND SEVEN HUNDRED DOLLARS) to our American Express credit card on file. Please charge any additional fees or credit any overpayment associated with this submittal to our Deposit Account No. 02-2057.

Respectfully submitted,


Irene T. Bridger
Registration No. 53,914

Date: March 6, 2007

ITB/ir
Encls.

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PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
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23771 7590 02/08/2007

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(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/644,748 08/21/2003 James I. Livingstone A894629US 7635

TITLE OF INVENTION: REVERSE CIRCULATION DIRECTIONAL AND HORIZONTAL DRILLING USING CONCENTRIC DRILL STRING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$780 \$1400	\$300	\$0	\$1000 \$1,700	05/08/2007
EXAMINER	ART UNIT	CLASS-SUBCLASS				
STEPHENSON, DANIEL P	3672	175-061000				

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
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2
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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

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Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

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☒ Payment by credit card. **Form PTO-2038 is attached.**
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number **02-2057** (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☒ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

IRENE T. BRIDGES

Date

March 6, 2007

Typed or printed name

Registration No.

53,914

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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